

SPLIT-TYPE, HEAT PUMP AIR CONDITIONERS
SPLIT-TYPE, AIR CONDITIONERS

Outdoor unit

July 2012

No.OCB481

REVISED EDITION-A

PARTS CATALOG

R410A

[Model names]

PUZ-A18NHA4
PUZ-A24NHA4
PUZ-A30NHA4
PUZ-A36NHA4
PUZ-A42NHA4
PUZ-A18NHA4-BS
PUZ-A24NHA4-BS
PUZ-A30NHA4-BS
PUZ-A36NHA4-BS
PUZ-A42NHA4-BS

[Service Ref.]

PUZ-A18NHA4
PUZ-A24NHA4
PUZ-A30NHA4
PUZ-A36NHA4
PUZ-A42NHA4
PUZ-A18NHA4-BS
PUZ-A24NHA4-BS
PUZ-A30NHA4-BS
PUZ-A36NHA4-BS
PUZ-A42NHA4-BS

PUZ-A18NHA4R1

PUZ-A18NHA4R1-BS

Revision:

- PUZ-A18NHA4R1(-BS) and PUY-A12/18NHA4R1(-BS) have been added in REVISED EDITION-A.
- Some descriptions have been modified.

- Please void OCB481.

PUY-A12NHA4
PUY-A18NHA4
PUY-A24NHA4
PUY-A30NHA4
PUY-A36NHA4
PUY-A42NHA4
PUY-A12NHA4-BS
PUY-A18NHA4-BS
PUY-A24NHA4-BS
PUY-A30NHA4-BS
PUY-A36NHA4-BS
PUY-A42NHA4-BS

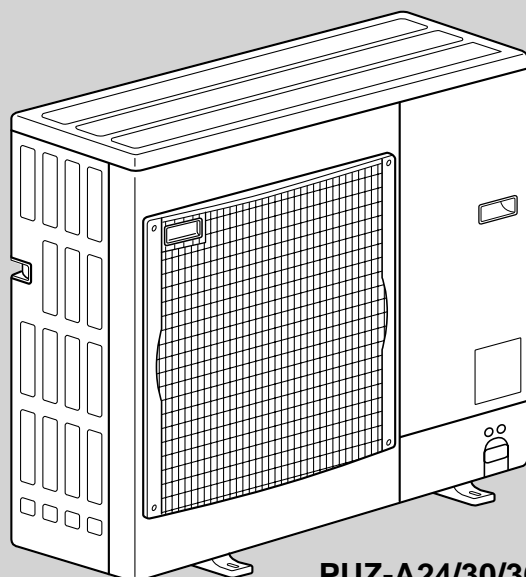
PUY-A12NHA4
PUY-A18NHA4
PUY-A24NHA4
PUY-A30NHA4
PUY-A36NHA4
PUY-A42NHA4
PUY-A12NHA4-BS
PUY-A18NHA4-BS
PUY-A24NHA4-BS
PUY-A30NHA4-BS
PUY-A36NHA4-BS
PUY-A42NHA4-BS

PUY-A12NHA4R1
PUY-A18NHA4R1

PUY-A12NHA4R1-BS
PUY-A18NHA4R1-BS

NOTE:

- RoHS compliant products have <G> mark on the spec name plate.



PUZ-A24/30/36NHA4
PUY-A24/30/36NHA4

CONTENTS

1. RoHS PARTS LIST.....2

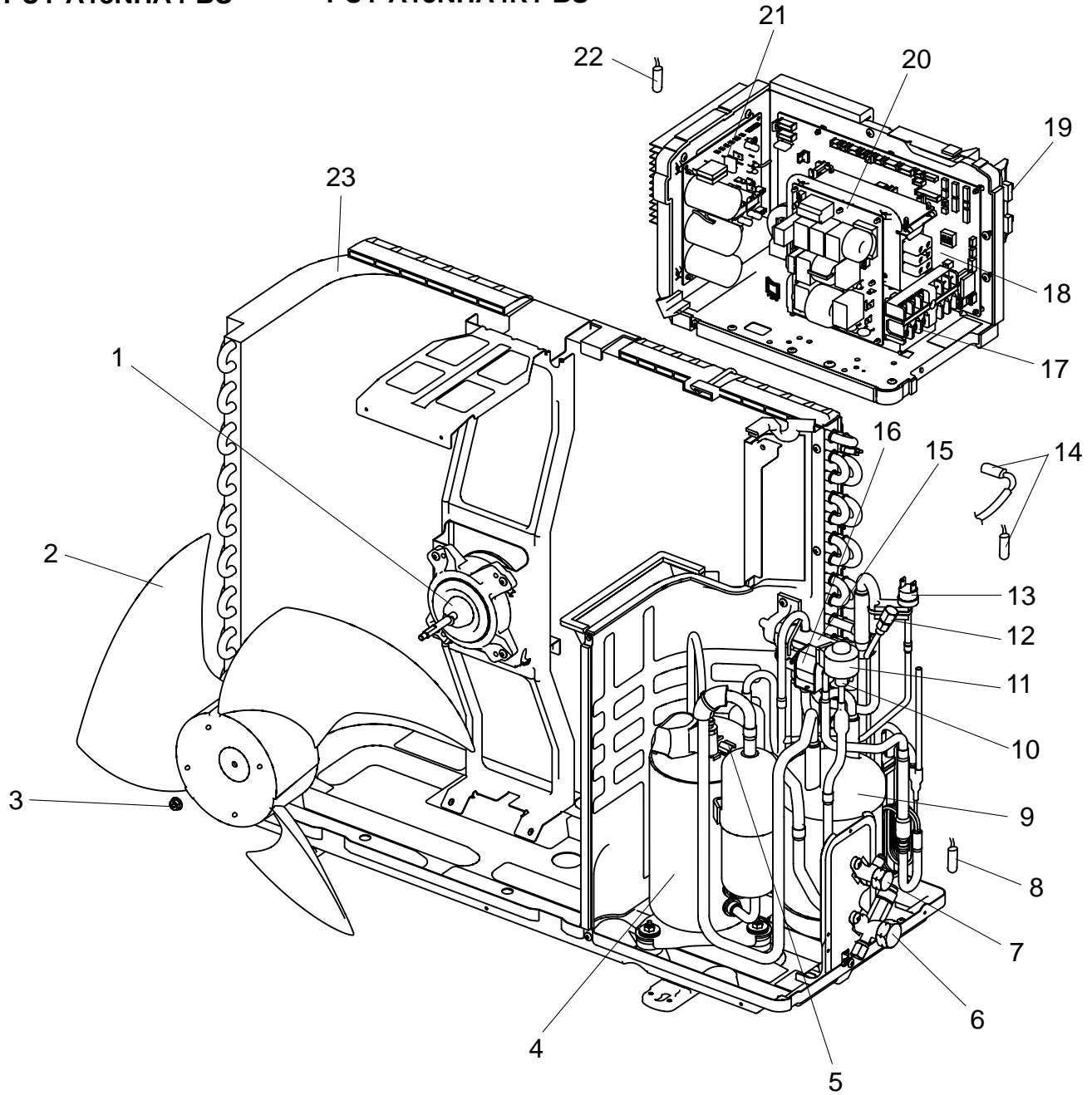
SERVICE MANUAL (OCH481)



Mr. SLIM™

FUNCTIONAL AND ELECTRICAL PARTS

| | |
|----------------|------------------|
| PUZ-A18NHA4 | PUZ-A18NHA4R1 |
| PUZ-A18NHA4-BS | PUZ-A18NHA4R1-BS |
| PUY-A12NHA4 | PUY-A12NHA4R1 |
| PUY-A12NHA4-BS | PUY-A12NHA4R1-BS |
| PUY-A18NHA4 | PUY-A18NHA4R1 |
| PUY-A18NHA4-BS | PUY-A18NHA4R1-BS |



RoHS PARTS LIST

Part numbers that are circled are not shown in the figure.

| No. | RoHS | Part No. | Part Name | Specification | Q'ty/set | | | | | | Wiring Diagram Symbol | Recommended Q'ty |
|-----|------|-------------|--|------------------------------------|------------|--------------|------------|--------------|------------|--------------|-----------------------|------------------|
| | | | | | PUZ-A | | PUY-A | | | | | |
| | | | | | 18 | | 12 | | 18 | | | |
| | | | | | NHA4 (-BS) | NHA4R1 (-BS) | NHA4 (-BS) | NHA4R1 (-BS) | NHA4 (-BS) | NHA4R1 (-BS) | | |
| 1 | G | R01 E52 221 | FAN MOTOR | | 1 | 1 | 1 | 1 | 1 | 1 | MF1 | |
| 2 | G | R01 E07 115 | PROPELLER FAN | | 1 | 1 | 1 | 1 | 1 | 1 | | |
| 3 | G | R01 E08 097 | NUT | | 1 | 1 | 1 | 1 | 1 | 1 | | |
| 4 | G | T92 577 280 | COMPRESSOR | SNB130FQCM1 Including RUBBER MOUNT | 1 | 1 | 1 | 1 | 1 | 1 | MC | |
| 5 | G | T7W E10 201 | THERMISTOR(SHELL) | | 1 | 1 | 1 | 1 | 1 | 1 | TH32 | |
| 6 | G | T7W E05 410 | STOP VALVE (GAS) | 1/2 | 1 | 1 | 1 | 1 | 1 | 1 | | |
| 7 | G | R01 E27 410 | STOP VALVE (LIQUID) | 1/4 | 1 | 1 | 1 | 1 | 1 | 1 | | |
| 8 | G | R01 N01 202 | THERMISTOR (OUTDOOR PIPE) | | | | 1 | 1 | | | TH3 | |
| | G | R01 E98 202 | THERMISTOR (OUTDOOR PIPE) | | 1 | 1 | | | 1 | 1 | TH3 | |
| 9 | G | T7W E22 440 | ACCUMULATOR | | 1 | 1 | 1 | 1 | 1 | 1 | | |
| 10 | G | R01 E75 401 | EXPANSION VALVE | | 1 | 1 | 1 | 1 | 1 | 1 | | |
| 11 | G | R01 E36 242 | LINER EXPANSION VALVE COIL | | 1 | 1 | 1 | 1 | 1 | 1 | LEV-A | |
| 12 | G | R01 E12 403 | CHARGE PLUG | | 1 | | 1 | | 1 | | | |
| 12 | G | R01 E12 413 | CHARGE PLUG | | | 1 | | 1 | | 1 | | |
| 13 | G | T7W E07 208 | HIGH PRESSURE SWITCH | | 1 | 1 | 1 | 1 | 1 | 1 | 63H | |
| 14 | G | R01 E97 202 | THERMISTOR (OUTDOOR 2-PHASE PIPE, OUTDOOR) | | 1 | 1 | 1 | 1 | 1 | 1 | TH6,7 | |
| 15 | G | R01 E30 403 | 4-WAY VALVE | | 1 | 1 | | | | | | |
| 16 | G | T7W E33 242 | SOLENOID COIL (4-WAY VALVE) | | 1 | 1 | | | | | 21S4 | |
| 17 | G | T7W E39 716 | TERMINAL BLOCK | 6P (L1,L2,GR,S1,S2,S3) | 1 | 1 | 1 | 1 | 1 | 1 | TB1 | |
| 18 | G | T7W E99 315 | CONTROLLER CIRCUIT BOARD | | 1 | 1 | 1 | 1 | 1 | 1 | C.B. | |
| 19 | G | R01 E22 259 | REACTOR | | 1 | 1 | 1 | 1 | 1 | 1 | ACL | |
| 20 | G | T7W E20 346 | NOISE FILTER | | 1 | 1 | 1 | 1 | 1 | 1 | N.F. | |
| 21 | G | T7W E54 313 | POWER CIRCUIT BOARD | | 1 | 1 | 1 | 1 | 1 | 1 | P.B. | |
| 22 | G | R01 E99 202 | THERMISTOR (HEATSINK) | | 1 | 1 | 1 | 1 | 1 | 1 | TH8 | |
| 23 | G | T7W E58 408 | HEAT EXCHANGER | | | | 1 | 1 | | | | |
| | G | T7W E57 408 | HEAT EXCHANGER | | 1 | | | | 1 | | | |
| | G | R01 H35 408 | HEAT EXCHANGER | | | 1 | | | | 1 | | |
| 24 | G | R01 E14 239 | FUSE | 6.3A 250V | 4 | 4 | 4 | 4 | 4 | 4 | F1,2,3,4 | |

RoHS PARTS LIST

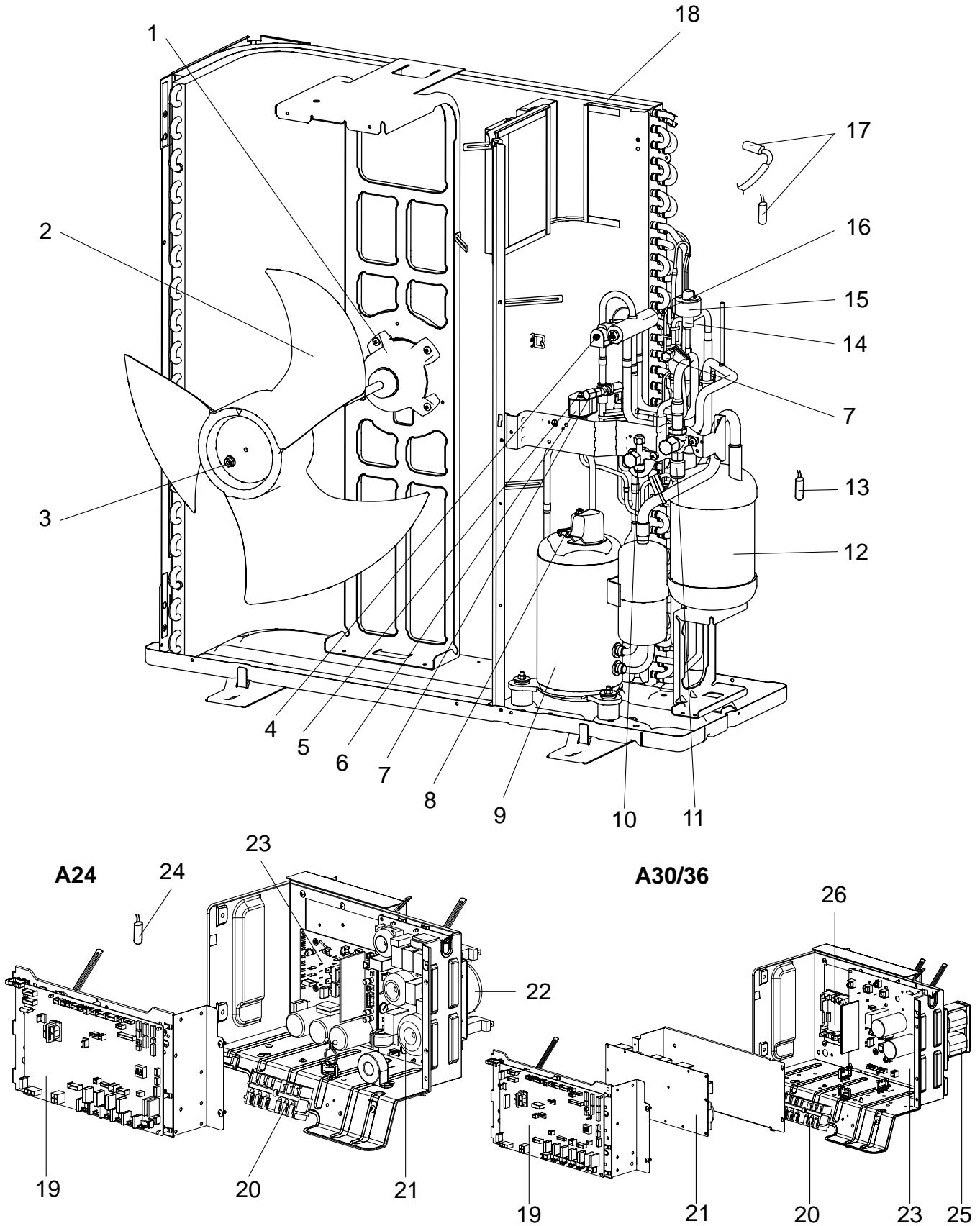
FUNCTIONAL PARTS

PUZ-A24/30/36NHA4

PUZ-A24/30/36NHA4-BS

PUY-A24/30/36NHA4

PUY-A24/30/36NHA4-BS



RoHS PARTS LIST

Part numbers that are circled are not shown in the figure.

| No. | RoHS | Part No. | Part Name | Specification | Q'ty/set | | | | Wiring Diagram Symbol | Recom- mended Q'ty |
|-----|------|-------------|---|---|-----------|--------|-----------|--------|-----------------------------|--------------------------|
| | | | | | PUZ-A | | PUY-A | | | |
| | | | | | 24 | 30, 36 | 24 | 30, 36 | | |
| | | | | | NHA4(-BS) | | NHA4(-BS) | | | |
| 1 | G | T7W E27 763 | FAN MOTOR | | 1 | 1 | 1 | 1 | MF1 | |
| 2 | G | R01 E12 115 | PROPELLER FAN | | 1 | 1 | 1 | 1 | | |
| 3 | G | R01 E09 097 | NUT | | 1 | 1 | 1 | 1 | | |
| 4 | G | T7W E20 242 | SOLENOID COIL <4-WAY VALVE> | | 1 | 1 | | | 21S4 | |
| 5 | G | R01 E13 428 | BYPASS VALVE | | 1 | 1 | 1 | 1 | | |
| 6 | G | T7W E19 242 | SOLENOID COIL <BYPASS VALVE> | | 1 | 1 | 1 | 1 | SV | |
| 7 | G | R01 E12 413 | CHARGE PLUG | | 2 | 2 | 1 | 1 | | |
| | G | T7W E10 413 | CHARGE PLUG | | | | 1 | 1 | | |
| 8 | G | T7W E11 201 | THERMISTOR (SHELL) | | 1 | 1 | 1 | 1 | TH32 | |
| 9 | G | T92 508 801 | COMPRESSOR | TNB220FLHM Including RUBBER MOUNT | 1 | 1 | 1 | 1 | MC | |
| 10 | G | T7W E04 410 | STOP VALVE | 3/8 | 1 | 1 | 1 | 1 | | |
| 11 | G | R01 E12 411 | BALL VALVE | 5/8 | 1 | 1 | 1 | 1 | | |
| 12 | G | R01 E57 440 | ACCUMULATOR | | 1 | 1 | 1 | 1 | | |
| 13 | G | R01 N03 202 | THERMISTOR (OUTDOOR PIPE) | | 1 | | 1 | | TH3 | |
| | G | R01 N01 202 | THERMISTOR (OUTDOOR PIPE) | | | 1 | | 1 | TH3 | |
| 14 | G | R01 H22 401 | EXPANSION VALVE | | 1 | 1 | 1 | 1 | | |
| 15 | G | R01 E50 242 | LINER EXPANSION VALVE COIL | | 1 | 1 | 1 | 1 | LEV-A | |
| 16 | G | R01 E28 403 | 4-WAY VALVE | | 1 | 1 | | | | |
| 17 | G | R01 E94 202 | THERMISTOR (OUTDOOR 2-PHASE PIPE, OUTDOOR) | | 1 | 1 | 1 | 1 | TH6,7 | |
| 18 | G | T7W E59 408 | HEAT EXCHANGER | | 1 | | 1 | | | |
| | G | T7W E60 408 | HEAT EXCHANGER | | | 1 | | 1 | | |
| 19 | G | T7W E99 315 | CONTROLLER CIRCUIT BOARD | | 1 | | 1 | | C.B. | |
| | G | T7W F00 315 | CONTROLLER CIRCUIT BOARD | | | 1 | | 1 | C.B. | |
| 20 | G | T7W E40 716 | TERMINAL BLOCK | 6P(L1,L2,GR,S1,S2,S3) | 1 | 1 | 1 | 1 | TB1 | |
| 21 | G | T7W E21 346 | NOISE FILTER CIRCUIT BOARD | | 1 | | 1 | | N.F. | |
| | G | R01 E18 346 | NOISE FILTER CIRCUIT BOARD | | | 1 | | 1 | N.F. | |
| 22 | G | R01 E33 259 | REACTOR | | 1 | | 1 | | ACL | |
| 23 | G | T7W E39 313 | POWER CIRCUIT BOARD | | 1 | | 1 | | P.B. | |
| | G | T7W E47 313 | POWER CIRCUIT BOARD | | | 1 | | 1 | P.B. | |
| 24 | G | R01 E99 202 | THERMISTOR (HEATSINK) | | 1 | 1 | 1 | 1 | TH8 | |
| 25 | G | T7W E24 259 | REACTOR | | | 1 | | 1 | DCL | |
| 26 | G | R01 E07 233 | ACT MODULE | | | 1 | | 1 | ACTM | |
| 27 | G | T7W E07 208 | HIGH PRESSURE SWITCH | | 1 | 1 | 1 | 1 | 63H | |
| 28 | G | R01 E14 239 | FUSE | 6.3A 250V | 4 | 4 | 4 | 4 | F1,2,3,4 | |

RoHS PARTS LIST

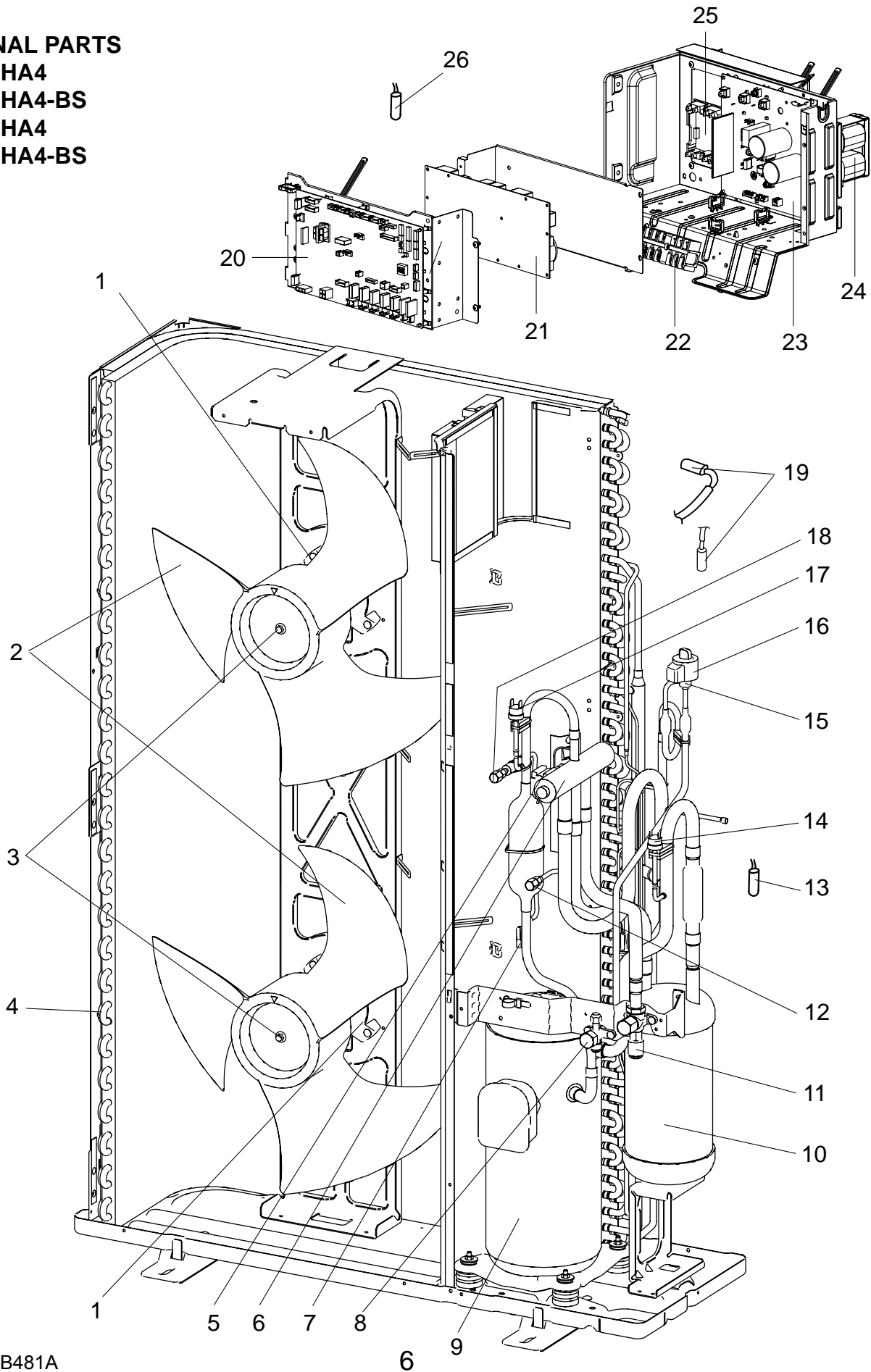
FUNCTIONAL PARTS

PUZ-A42NHA4

PUZ-A42NHA4-BS

PUY-A42NHA4

PUY-A42NHA4-BS



RoHS PARTS LIST

Part numbers that are circled are not shown in the figure.

| No. | RoHS | Part No. | Part Name | Specification | Q'ty/set | | Wiring Diagram Symbol | Recom- mended Q'ty |
|-----|------|-------------|---|---|-----------|-------|-----------------------------|--------------------------|
| | | | | | PUZ-A | PUY-A | | |
| | | | | | 42 | | | |
| | | | | | NHA4(-BS) | | | |
| 1 | G | T7W E27 763 | FAN MOTOR | | 2 | 2 | MF1,2 | |
| 2 | G | R01 E12 115 | PROPELLER FAN | | 2 | 2 | | |
| 3 | G | R01 E09 097 | NUT | | 2 | 2 | | |
| 4 | G | T7W E61 408 | HEAT EXCHANGER | | 1 | 1 | | |
| 5 | G | T7W E21 242 | SOLENOID COIL <4-WAY VALVE> | | 1 | | 21S4 | |
| 6 | G | T7W E05 403 | 4-WAY VALVE | | 1 | | | |
| 7 | G | R01 E14 201 | THERMISTOR (DISCHARGE) | | 1 | 1 | TH4 | |
| 8 | G | T7W E04 410 | STOP VALVE | 3/8 | 1 | 1 | | |
| 9 | G | T97 415 778 | COMPRESSOR | ANV33FDPMT Including RUBBER MOUNT | 1 | 1 | MC | |
| 10 | G | R01 E58 440 | ACCUMULATOR | | 1 | 1 | | |
| 11 | G | R01 E12 411 | BALL VALVE | 5/8 | 1 | 1 | | |
| 12 | G | R01 E13 413 | CHARGE PLUG | | 1 | 1 | | |
| 13 | G | R01 H00 202 | THERMISTOR (OUTDOOR PIPE) | | 1 | 1 | TH3 | |
| 14 | G | R01 E00 209 | LOW PRESSURE SWITCH | | 1 | 1 | 63L | |
| 15 | G | R01 H20 401 | EXPANSION VALVE | | 1 | 1 | | |
| 16 | G | R01 E50 242 | LINEAR EXPANSION VALVE COIL | | 1 | 1 | LEV-A | |
| 17 | G | T7W E07 208 | HIGH PRESSURE SWITCH | | 1 | 1 | 63H | |
| 18 | G | T7W E10 413 | CHARGE PLUG | | 1 | 1 | | |
| 19 | G | R01 E94 202 | THERMISTOR (OUTDOOR 2-PHASE PIPE, OUTDOOR) | | 1 | 1 | TH6,7 | |
| 20 | G | T7W F01 315 | CONTROLLER CIRCUIT BOARD | | 1 | 1 | C.B. | |
| 21 | G | R01 E18 346 | NOISE FILTER CIRCUIT BOARD | | 1 | 1 | N.F. | |
| 22 | G | T7W E40 716 | TERMINAL BLOCK | 6P(L1,L2,GR,S1,S2,S3) | 1 | 1 | TB1 | |
| 23 | G | R01 E65 313 | POWER CIRCUIT BOARD | | 1 | 1 | P.B. | |
| 24 | G | T7W E24 259 | REACTOR | | 1 | 1 | DCL | |
| 25 | G | R01 E07 233 | ACTIVE FILTER MODULE | | 1 | 1 | ACTM | |
| 26 | G | R01 E99 202 | THERMISTOR (HEATSINK) | | 1 | 1 | TH8 | |
| 27 | G | R01 E20 254 | MAIN SMOOTHING CAPACITOR | | 1 | 1 | CB | |
| 28 | G | R01 E14 239 | FUSE | 6.3A 250V | 4 | 4 | F1,2,3,4 | |

RoHS PARTS LIST

STRUCTURAL PARTS

PUZ-A18NHA4

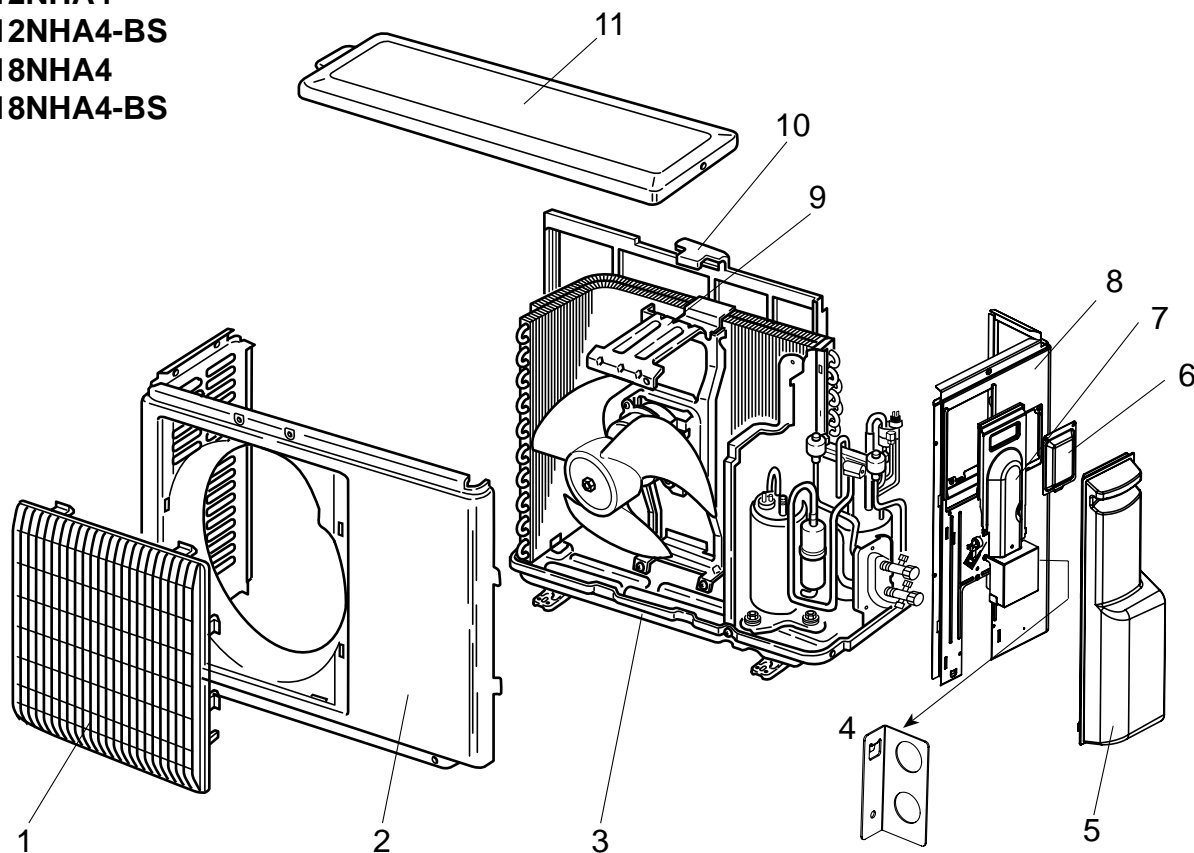
PUZ-A18NHA4-BS

PUY-A12NHA4

PUY-A12NHA4-BS

PUY-A18NHA4

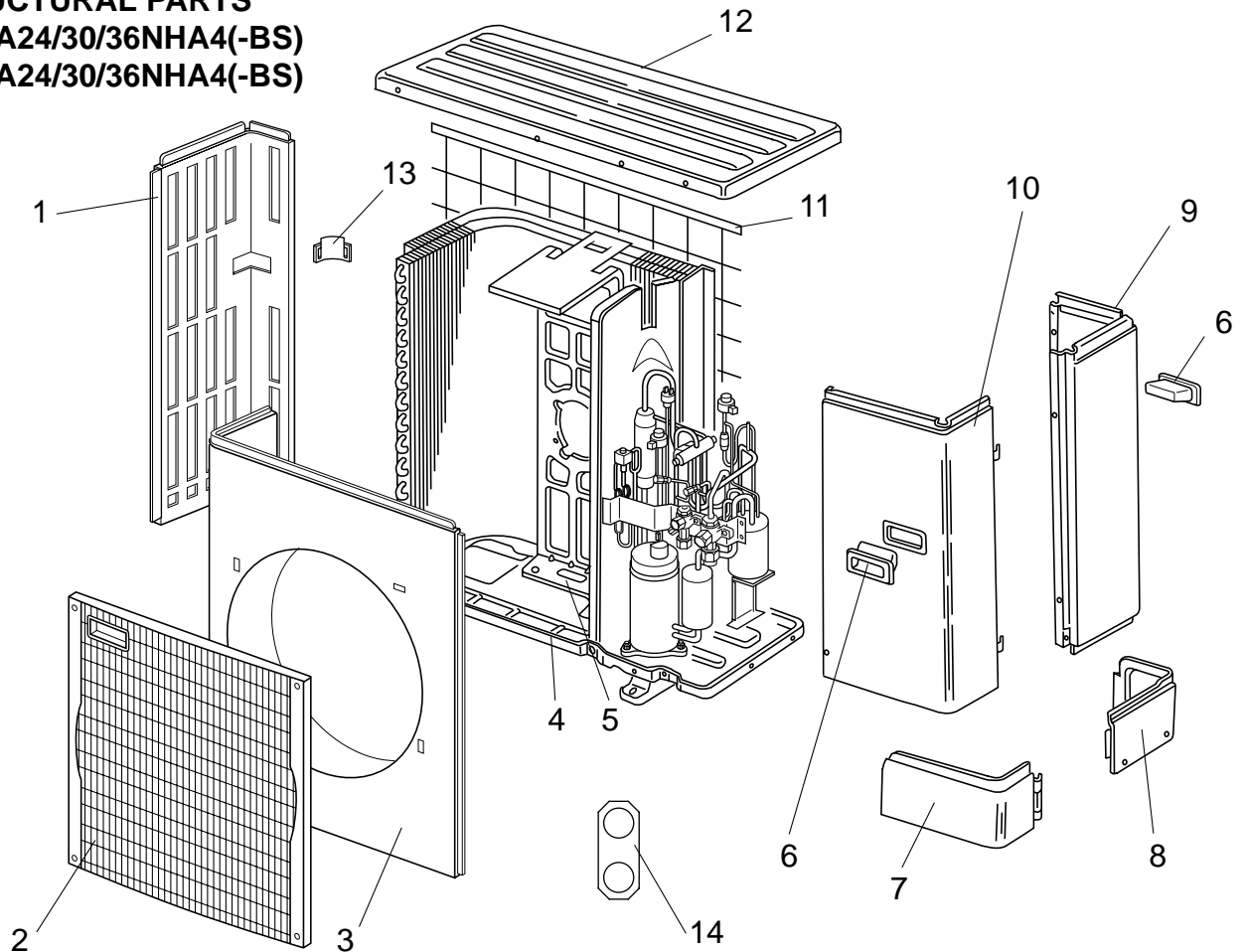
PUY-A18NHA4-BS



| No. | RoHS | Part No. | | | | Part Name | Specification | Q'ty/set | | | | Wiring Diagram Symbol | Recom- mended Q'ty |
|-----|------|----------|-----|-----|---------------------------------|-----------|---------------|---------------|----|---------------|----|-----------------------------|--------------------------|
| | | | | | | | | PUZ-A / PUY-A | | PUZ-A / PUY-A | | | |
| | | | | | | | | 12 | 18 | 12 | 18 | | |
| | | | | | | | | NHA4(-BS) | | NHA4R1(-BS) | | | |
| 1 | G | R01 | E30 | 691 | GRILLE | | 1 | 1 | 1 | 1 | | | |
| 2 | G | R01 | E09 | 668 | FRONT PANEL | | 1 | 1 | 1 | 1 | | | |
| 3 | G | R01 | E34 | 686 | BASE ASSY | | 1 | 1 | | | | | |
| | G | R01 | E48 | 686 | BASE ASSY | | | | 1 | 1 | | | |
| 4 | G | T7W | E00 | 617 | CONDUIT PLATE | | 1 | 1 | 1 | 1 | | | |
| 5 | G | T7W | E03 | 667 | SERVICE PANEL | | 1 | 1 | 1 | 1 | | | |
| 6 | G | R01 | E01 | 518 | SERVICE PANEL (FOR CHARGE PLUG) | | 1 | 1 | 1 | 1 | | | |
| 7 | G | T7W | E00 | 649 | CORD COVER | | 1 | 1 | 1 | 1 | | | |
| 8 | G | T7W | E08 | 682 | REAR PANEL | | 1 | 1 | 1 | 1 | | | |
| 9 | G | R01 | E32 | 130 | MOTOR SUPPORT | | 1 | | 1 | | | | |
| | G | R01 | E29 | 130 | MOTOR SUPPORT | | | 1 | | 1 | | | |
| 10 | G | R01 | E03 | 684 | CONDENSER NET | | 1 | | 1 | | | | |
| | G | R01 | E02 | 684 | CONDENSER NET | | | 1 | | 1 | | | |

RoHS PARTS LIST

STRUCTURAL PARTS PUZ-A24/30/36NHA4(-BS) PUY-A24/30/36NHA4(-BS)



Part number that is circled is not shown in the figure.

| No. | RoHS | Part No. | Part Name | Specification | Q'ty/set | Wiring Diagram Symbol | Recommended Q'ty |
|-----|------|-------------|---------------------|---------------|--|-----------------------|------------------|
| | | | | | PUZ-A-NHA4(-BS) PUY-A-NHA4(-BS) 24, 30, 36 | | |
| 1 | G | R01 E19 662 | SIDE PANEL (L) | | 1 | | |
| 2 | G | T7W E03 691 | FAN GRILLE | | 1 | | |
| 3 | G | T7W E05 667 | FRONT PANEL | | 1 | | |
| 4 | G | R01 E33 686 | BASE ASSY | | 1 | | |
| 5 | G | R01 E30 130 | MOTOR SUPPORT | | 1 | | |
| 6 | G | R01 E01 655 | HANDLE | | 2 | | |
| 7 | G | R01 E12 658 | COVER PANEL (FRONT) | | 1 | | |
| 8 | G | R01 E11 658 | COVER PANEL (REAR) | | 1 | | |
| 9 | G | R01 E46 661 | SIDE PANEL (R) | | 1 | | |
| 10 | G | T7W E07 668 | SERVICE PANEL | | 1 | | |
| 11 | G | R01 E06 698 | REAR GUARD | | 1 | | |
| 12 | G | R01 E14 641 | TOP PANEL | | 1 | | |
| 13 | G | R01 E02 655 | HANDLE | | 1 | | |
| 14 | G | T7W E01 617 | CONDUIT PLATE | | 1 | | |

RoHS PARTS LIST

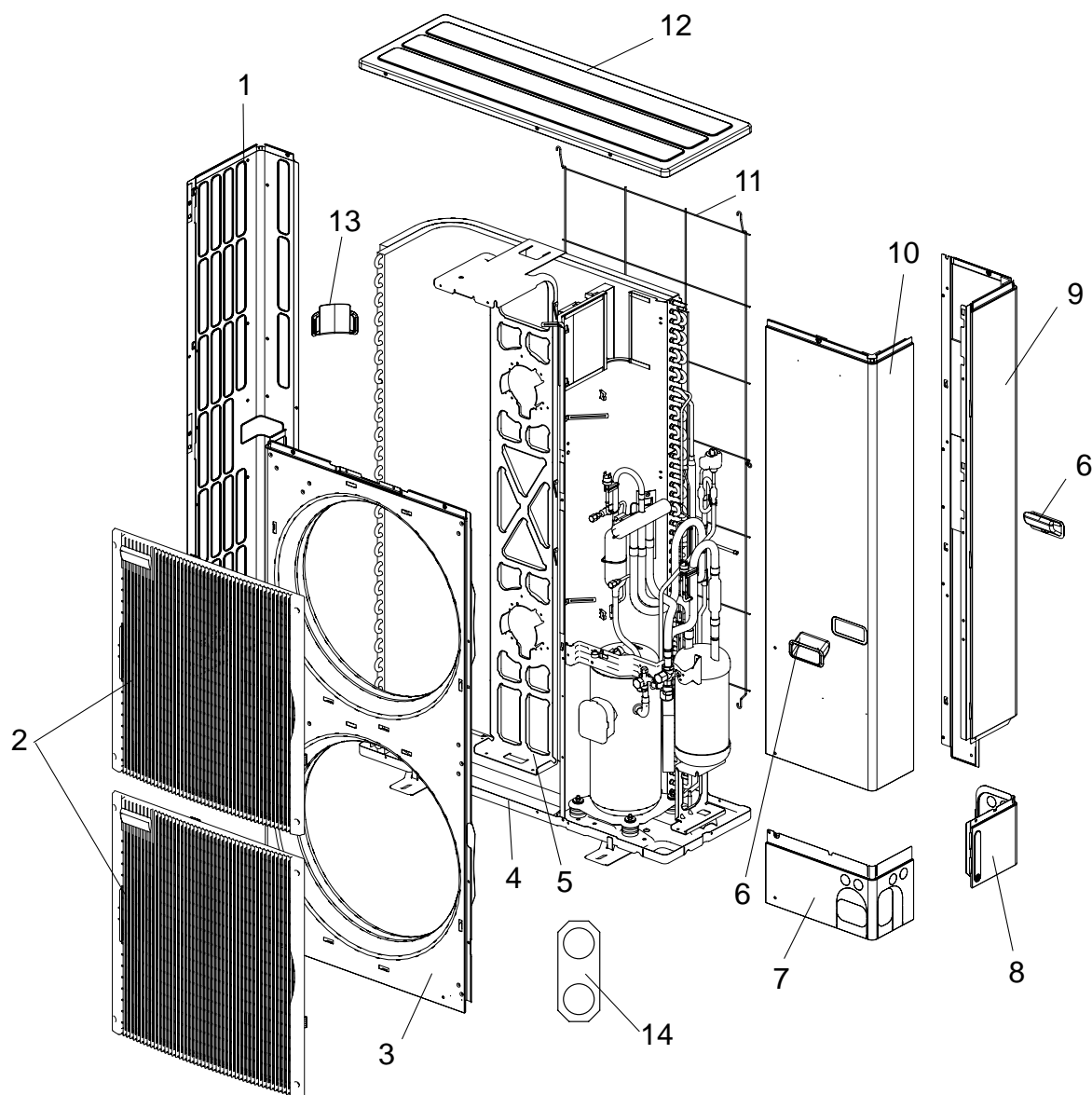
STRUCTURAL PARTS

PUZ-A42NHA4

PUZ-A42NHA4-BS

PUY-A42NHA4

PUY-A42NHA4-BS



RoHS PARTS LIST

Part number that is circled is not shown in the figure.

| No. | RoHS | Part No. | Part Name | Specification | Q'ty/set | Wiring Diagram Symbol | Recom- mended Q'ty |
|-----|------|-------------|---------------------|---------------|--------------|-----------------------------|--------------------------|
| | | | | | PUZ-A, PUY-A | | |
| | | | | | 42 | | |
| | | | | | NHA4(-BS) | | |
| 1 | G | T7W E03 662 | SIDE PANEL (L) | | 1 | | |
| 2 | G | T7W E03 691 | FAN GRILLE | | 2 | | |
| 3 | G | T7W E06 667 | FRONT PANEL | | 1 | | |
| 4 | G | R01 E26 686 | BASE ASSY | | 1 | | |
| 5 | G | R01 E27 130 | MOTOR SUPPORT | | 1 | | |
| 6 | G | R01 E01 655 | HANDLE | | 2 | | |
| 7 | G | R01 E13 658 | COVER PANEL (FRONT) | | 1 | | |
| 8 | G | R01 E11 658 | COVER PANEL (REAR) | | 1 | | |
| 9 | G | R01 E34 661 | SIDE PANEL (R) | | 1 | | |
| 10 | G | T7W E08 668 | SERVICE PANEL | | 1 | | |
| 11 | G | R01 E07 698 | REAR GUARD | | 1 | | |
| 12 | G | R01 E14 641 | TOP PANEL | | 1 | | |
| 13 | G | R01 E02 655 | HANDLE | | 1 | | |
| 14 | G | T7W E01 617 | CONDUIT PLATE | | 1 | | |

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mitsubishi electric corporation

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